



Standard MR BIOS Trouble Shooting

Version 990508

Win 9x note: *It may be necessary to run the "Add New Hardware" wizard after making any of these changes.*

CD-ROM Not Detected:

Set the CD-ROM jumpers to the "master" setting if it is the only drive on the channel. If there are two drives on a single channel/cable, make sure one is set to "master" and the other to "slave".

Mouse and/or Keyboard Error:

If the keyboard and mouse are both PS/2 style (a round connector 8mm in diameter), please switch the mouse and keyboard, even if the label on the machine indicates differently. See also the information about disabling COM ports, and manually setting IRQ 12 below.

Non-System or Invalid System Disk Error:

NOTE: Please refer also to the "MR BIOS Hard Drive Trouble Shooting" document.

Setting the "IDE slave detection" setting from "Legacy" to "Auto" has been seen to solve detection problems with some drives. This setting is located in the "ATA-Disc Configuration" screen.

Instability:

Make the following changes to your system if there are instabilities, error messages, or hardware conflicts after the Evergreen Installation program upgrades your system's BIOS to MR BIOS.

- 1) To access the Setup program, shut the system down and off. Turn the computer back on and hit the ESC key during the memory count.
- 2) Use the arrow keys to go to the "Ports" section and make the following changes:
 - Set on board 2 to "N/A"
 - If you have a PS/2 mouse, set onboard 1 to "N/A" also.
 - If you are using a local printer, set the Parallel port mode to "EPP"
 - If you are not using a local printer, set the Parallel port to "N/A".
 - If you are using a network printer only, set the Parallel port to "N/A".



NOTE: Do not disable serial or parallel ports that have devices plugged into them. Examples:

EXAMPLE 1: If you have an internal modem, but nothing is plugged into the back of your computer, set On Board 1, On Board 2, and Parallel to "N/A".

EXAMPLE 2: If you have a digital camera that you plug into COM 1 or COM A, and an HP DeskJet printer plugged into LPT1, change On Board 2 to "N/A", and set the Parallel port to EPP.

- 3) Select the Chipset section and set the Memory Type to 70.
- 4) Select the ATA-Disc section and set the hard drive Transfer Rate to about 8 MB/S, with the PIO mode set to 2.
- 5) If the system has a PS/2 mouse, select the Advanced section, set IRQ 12 to Legacy/ISA
- 6) Press the [Esc] key, then [F10] to save and exit the Setup program.

When Window starts, make the following changes:

- 1) Select Start > Run > Control Panels.
- 2) Open the Add New Hardware control panel.
- 3) Let it detect and add new hardware. You may need your Windows CD for this.
- 4) Restart the system.

APM problems:

MR BIOS changes:

Power the system off and back on, and press "Esc" when the MR BIOS screen appears.

In setup, make the following changes:

Press the left arrow key until the word Energy is highlighted at the top of the screen.

Press the down arrow key, then +/- to change settings to the following:

IDE Spindown	20 min
Standby Timer	15 min
Suspend Timer	60 min
Event Monitoring	Global
*Factory Test Mode	Off



Press the "Esc" key.

Press the "F10" to save and restart the system.

Windows changes:

When Windows loads, click on "Start, Settings, Control Panel"

Double-click on System, click on the Device Manager tab, and click on the "+" sign next to System devices.

Click on Advanced Power Management support, and press the "Properties" button.

Click on the "Settings" tab, and place a check in the box labeled "Force APM 1.0 mode".

Press "OK" to close the Advanced Power Management support Properties dialog. Press "OK" to close the System Properties dialog. Press "OK" to restart your computer. This will remove the splat (exclamation point) from the Advanced Power Management support device in Device Manager.